

# Wildland-Urban Interface Building Codes

*California Department of Forestry and Fire Protection  
Office of the State Fire Marshal*



## ROOFS

- Class A roof covering or roof assembly required in Very High Fire Severity Zones
- Class B roof covering or roof assembly in High Fire Severity Zones  
(Only in SRA, not local jurisdiction)
- Class C roof covering or roof assembly in Moderate Fire Severity Zones  
(Only in SRA, not local jurisdiction)
- Where metal flashing is used in valleys, additional protection through the use of Type 72 roll roofing (capsheet material) is required.
- When provided, valley flashing shall be ... corrosion resistant metal installed over roof material, cap sheet running full length of the valley.



- For assembly rated roof coverings, it is important to carefully follow manufacturers instructions regarding both installation and materials used in the assembly. **The fire rating was obtained using a specific set of materials – deviating from the specified materials list could compromise the fire rating of the roof covering.**
- Where roof profile allows for a space between roof covering and deck, the spaces shall ... prevent the intrusion of flames and embers.
- Cap sheet material ('roll roofing'). If used in a fire enhancement application, it should be tested for use in an assembly and rated for exterior fire (and labeled as such).

- Tile roofs may have openings at the edge of the roof or between the tiles. These gaps must be 'fire-stopped' (e.g., cement patch or other filler material) to limit embers (and other debris) from getting under the roof covering.



## Fire rating for roof coverings



Burning [12"x 12"] 'A Brand' placed on roof covering. Will flame penetrate through the covering to the underside of the roof deck (into the attic), or not?

Flame penetrated through to the underside of the roof sheathing, into what would be the attic. As built, this is not a 'Class A' roof covering (or assembly).

